

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 26-2010

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UWKD

General Info

Kazan, RUS

N 55° 36.4' E 49° 16.9' Mag Var: 11.2°E

Elevation: 414'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet A-1

Repairs: Major Airframe, Major Engine

Time Zone Info: GMT+3:00 uses DST

Runway Info

Runway 11L-29R 12218' x 144' concrete

Runway 11R-29L 8196' x 148' concrete

Runway 11L (112.0°M) TDZE 349'

Lights: Edge, ALS, Centerline

Displaced Threshold Distance 837'

Runway 11R (112.0°M) TDZE 371'

Runway 29L (292.0°M) TDZE 408'

Runway 29R (292.0°M) TDZE 410'

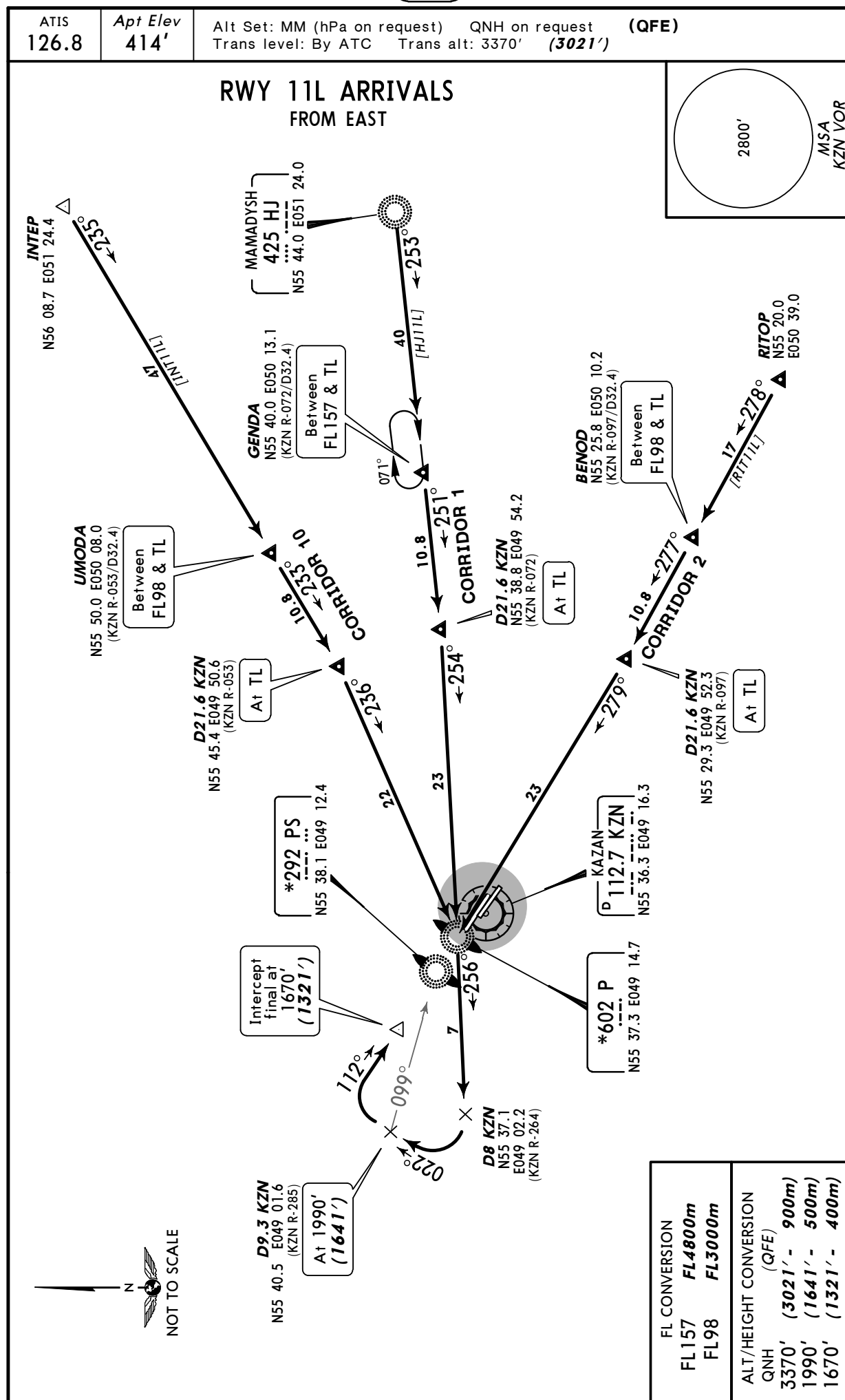
Lights: Edge, ALS, Centerline, TDZ

Communications InfoATIS **126.8**Kazan Start Tower **120.3**Kazan Taxiing Ground Control **121.7**Kazan Tower Radar **120.3**Kazan Radar **124.0**Kazan Radar **119.4** At or below 9800'**Notebook Info**

UWKD/KZN
KAZAN

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 14 AUG 09 **10-2** Eff 27 Aug

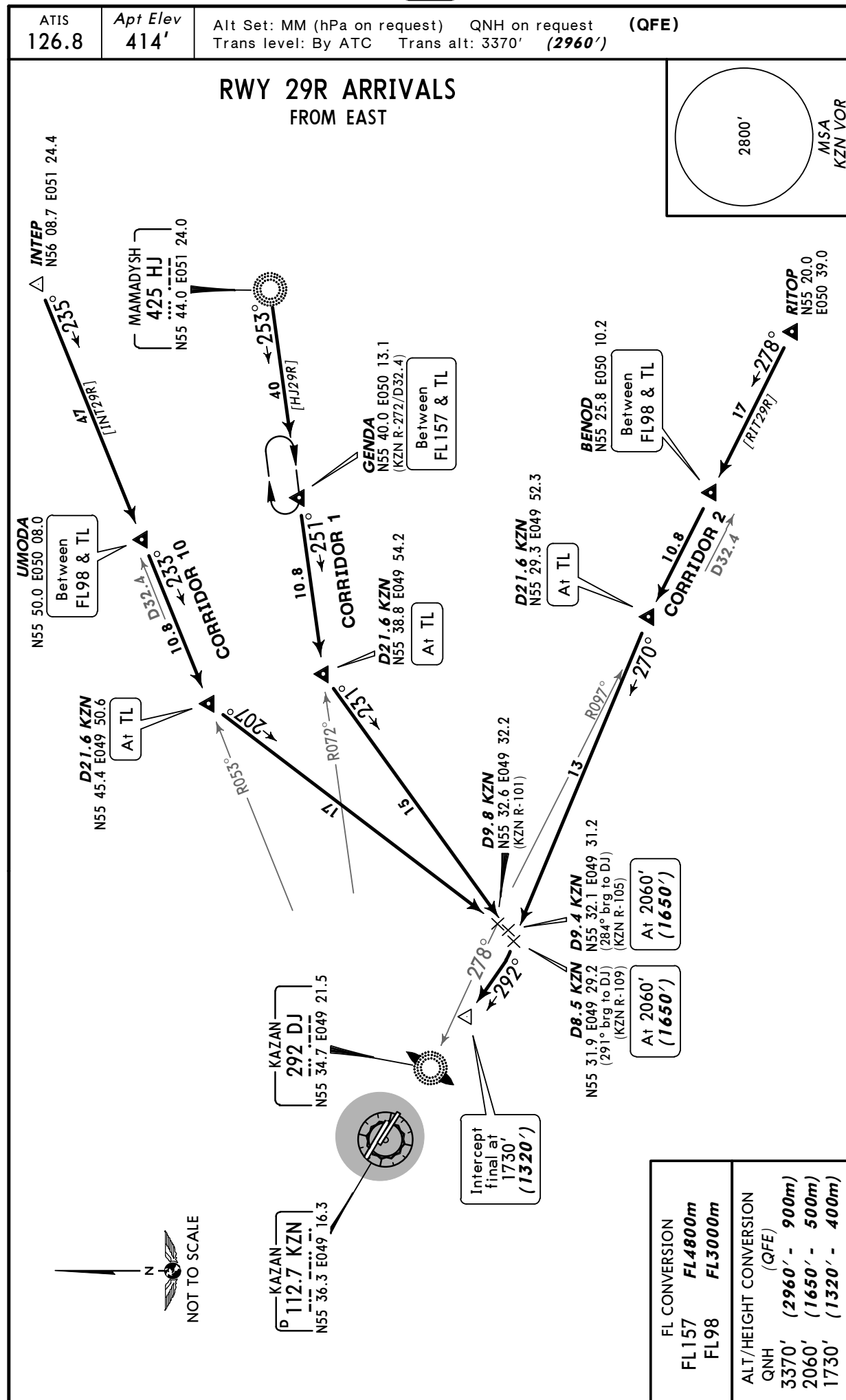
KAZAN, RUSSIA
STAR



UWKD/KZN
KAZAN

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 14 AUG 09 **(10-2A)** Eff 27 Aug

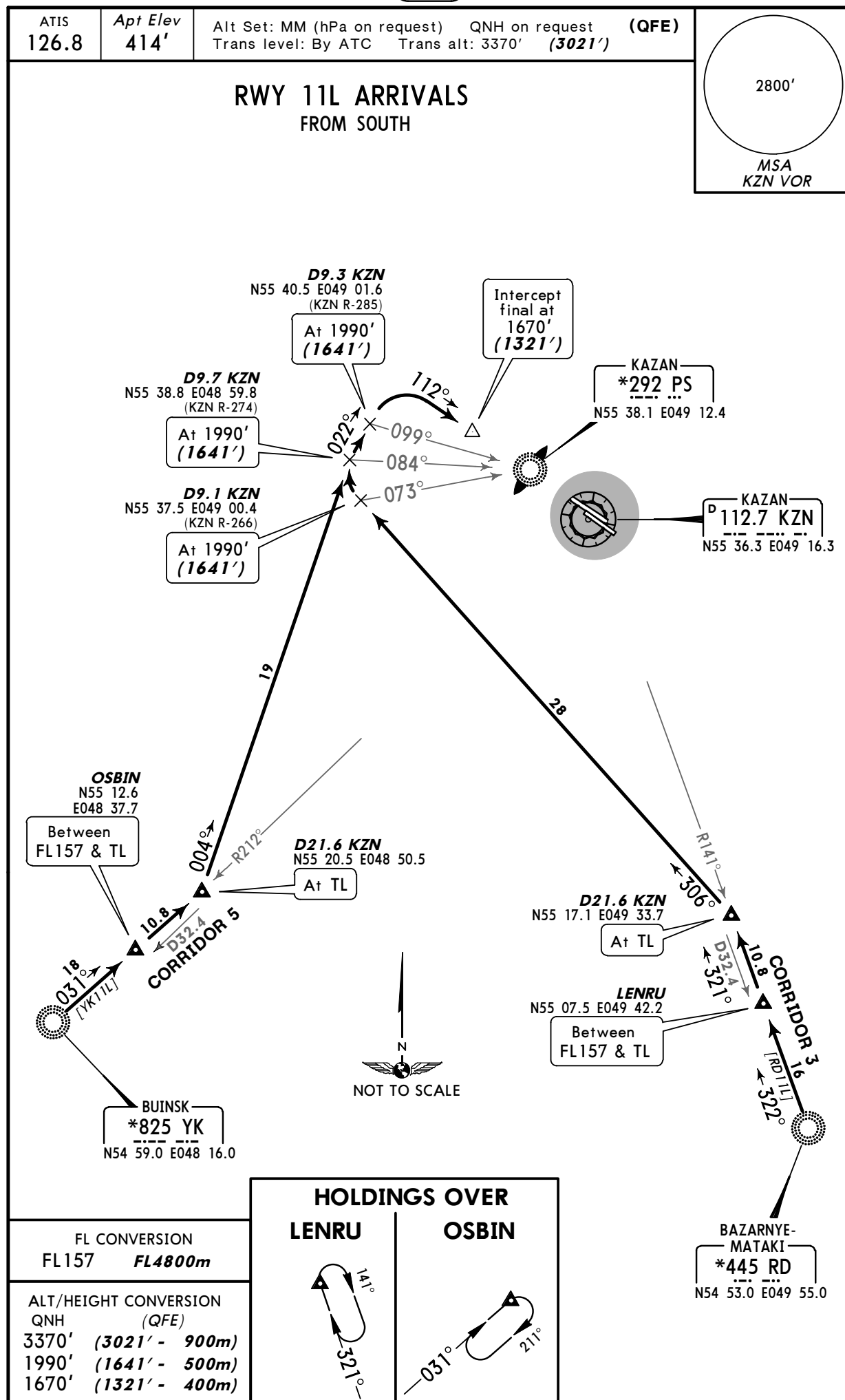
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 14 AUG 09 **10-2B** Eff 27 Aug

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STAR



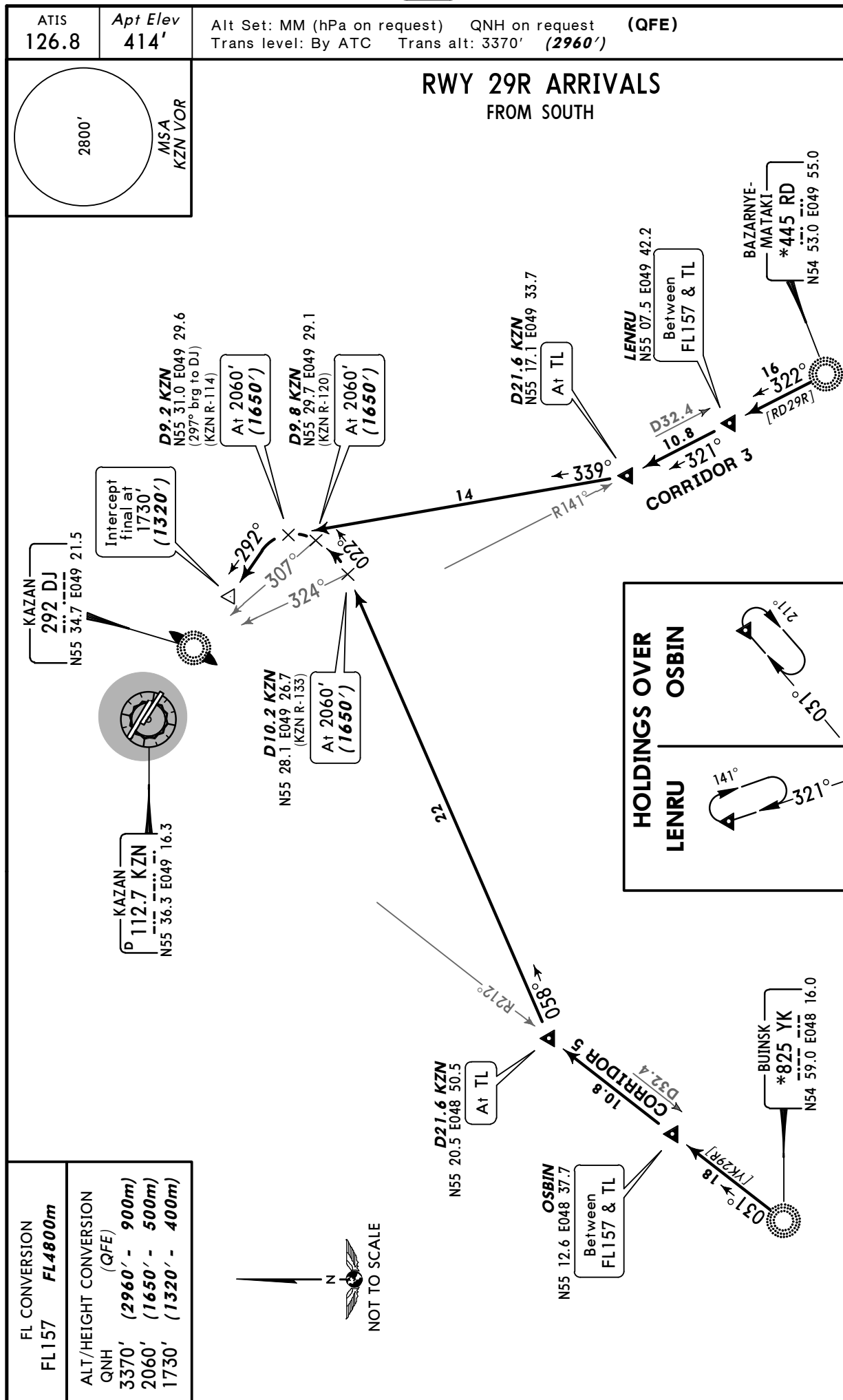
CHANGES: Arrivals revised.

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 14 AUG 09 **10-2C** **Eff 27 Aug**

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STAR



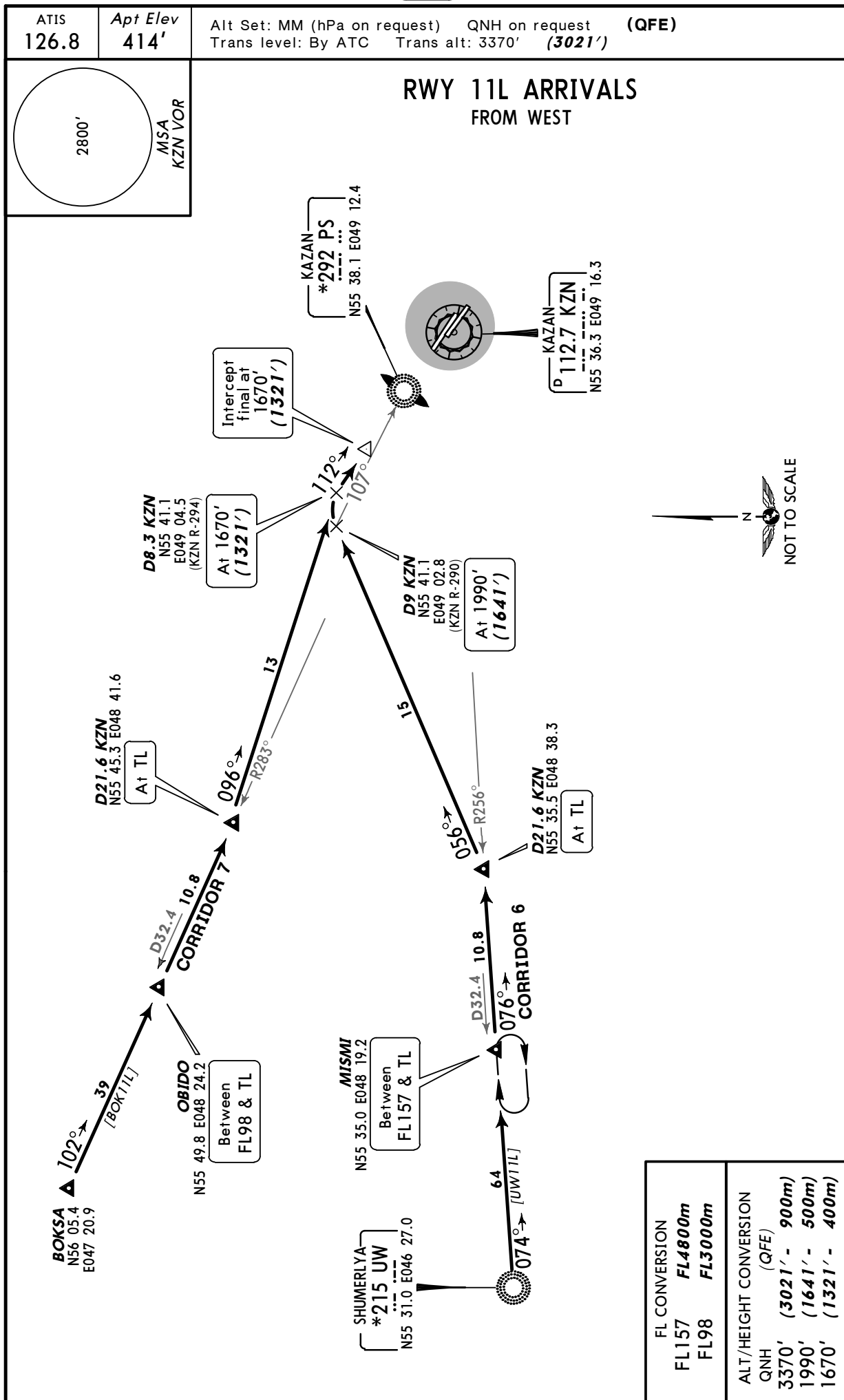
FL CONVERSION	ALT/HEIGHT CONVERSION
FL157 FL4800m	QNH (QFE)
	3370' (2960' - 900m)
	2060' (1650' - 500m)
	1730' (1320' - 400m)

NOT TO SCALE

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 14 AUG 09 **10-2D** Eff 27 Aug

KAZAN, RUSSIA
STAR



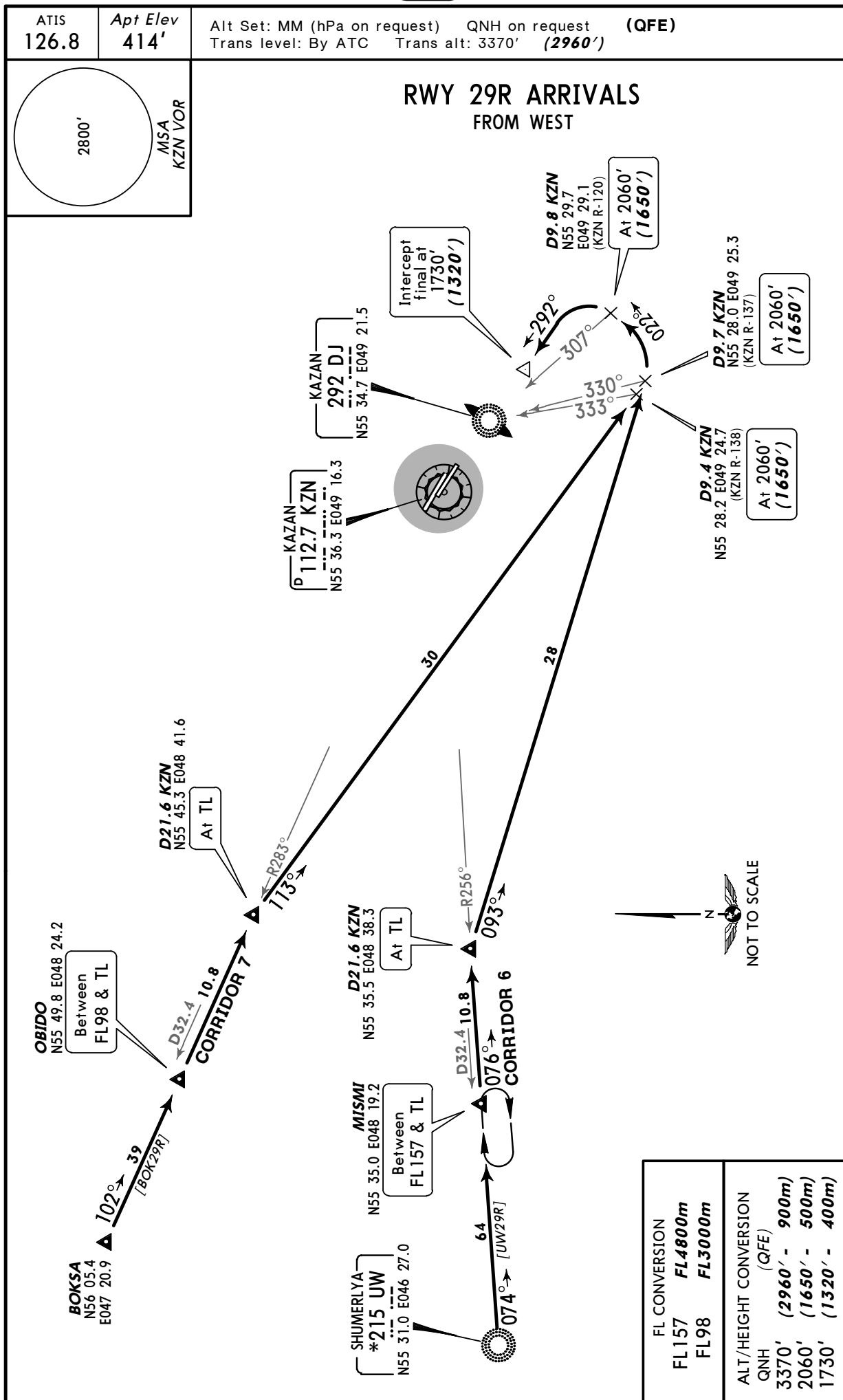
CHANGES: Arrivals revised.

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 14 AUG 09 **10-2E** Eff 27 Aug

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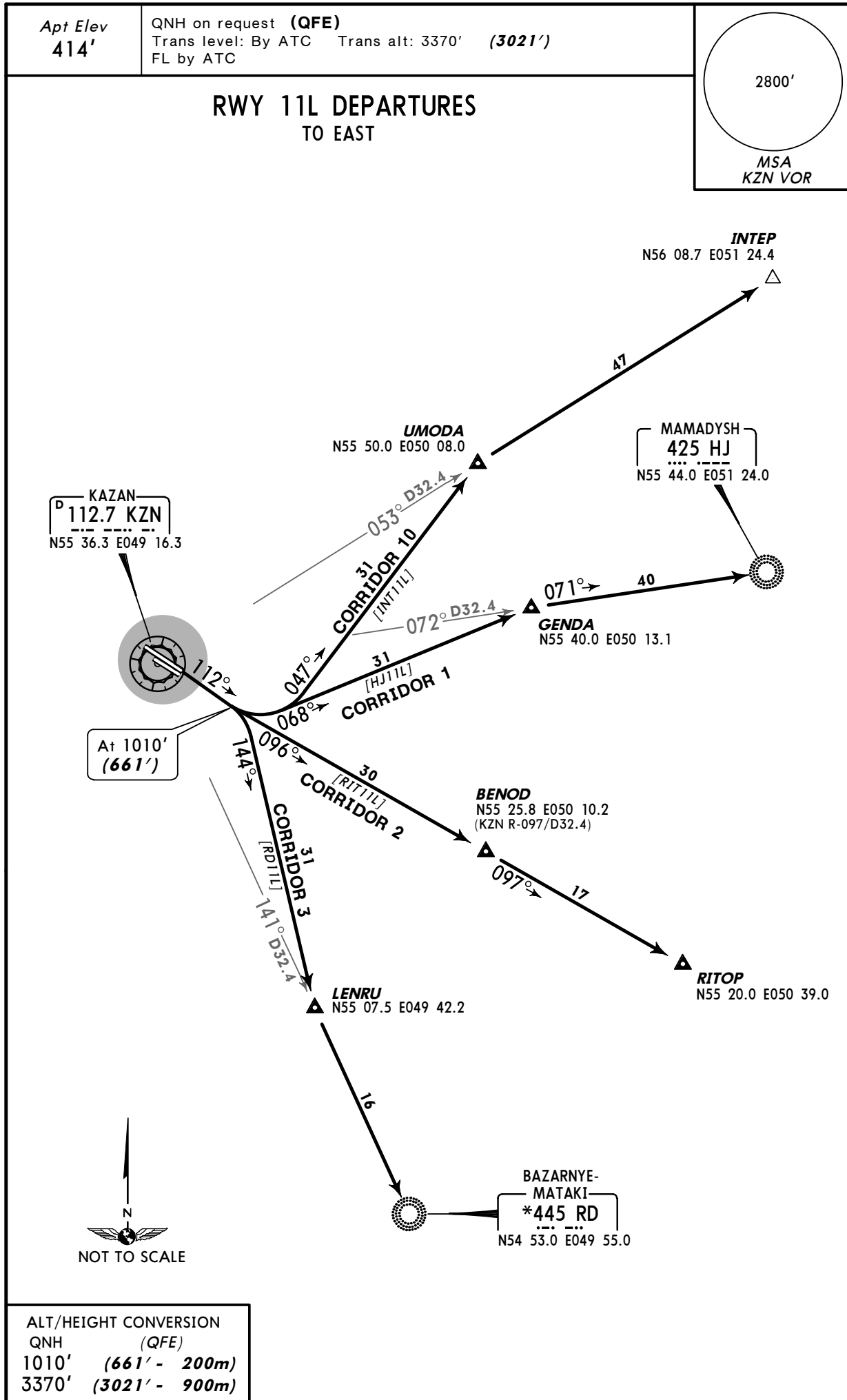
CHANGES: Arrivals revised.

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14 AUG 09 **10-3** **Eff 27 Aug**

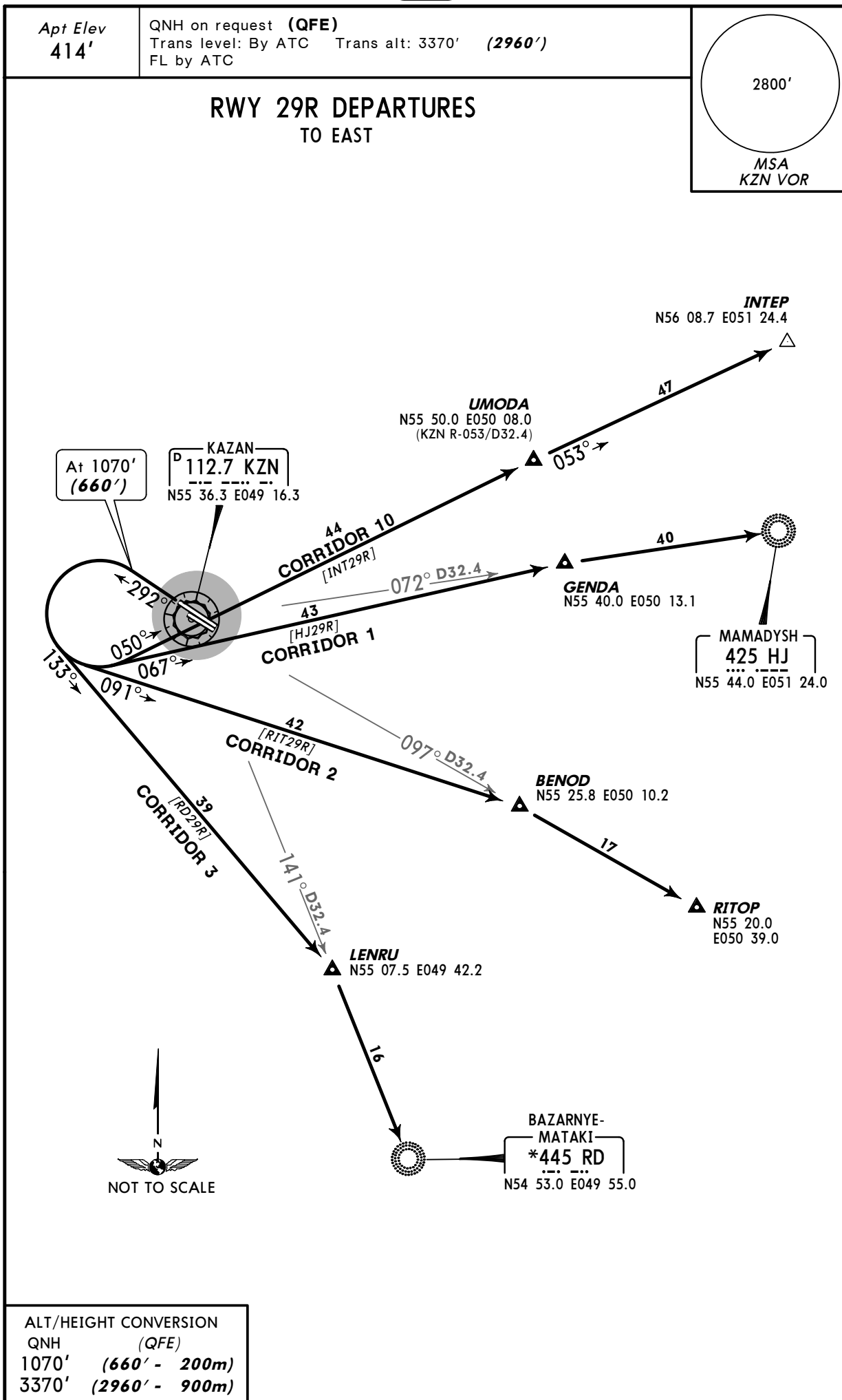
KAZAN, RUSSIA
SID



UWKD/KZN
KAZAN

JEPPESEN
 14 AUG 09 **(10-3A)** **Eff 27 Aug**

KAZAN, RUSSIA
SID

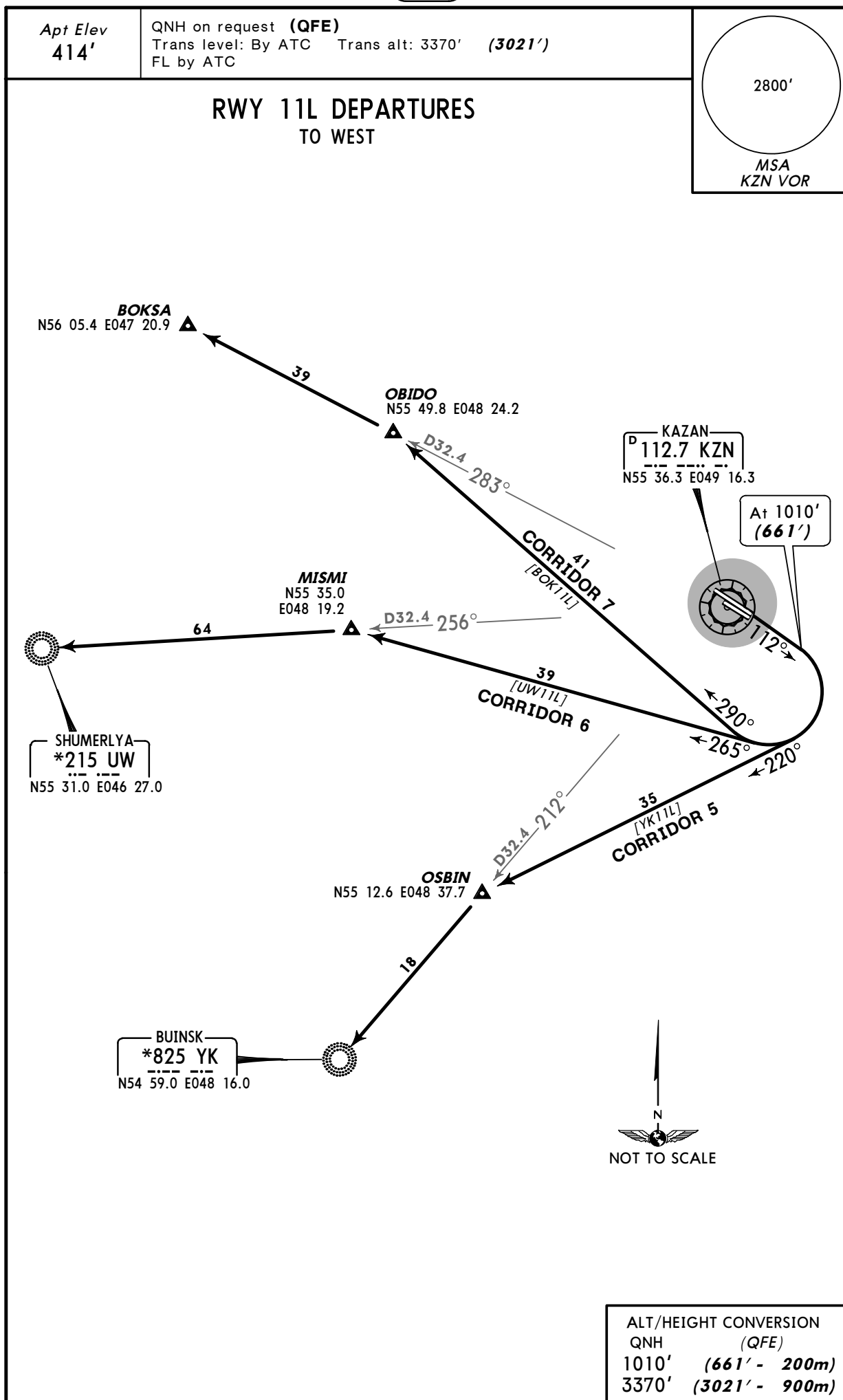


ALT/HEIGHT CONVERSION	
QNH	(QFE)
1070'	(660' - 200m)
3370'	(2960' - 900m)

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14 AUG 09 **(10-3B)** **Eff 27 Aug**

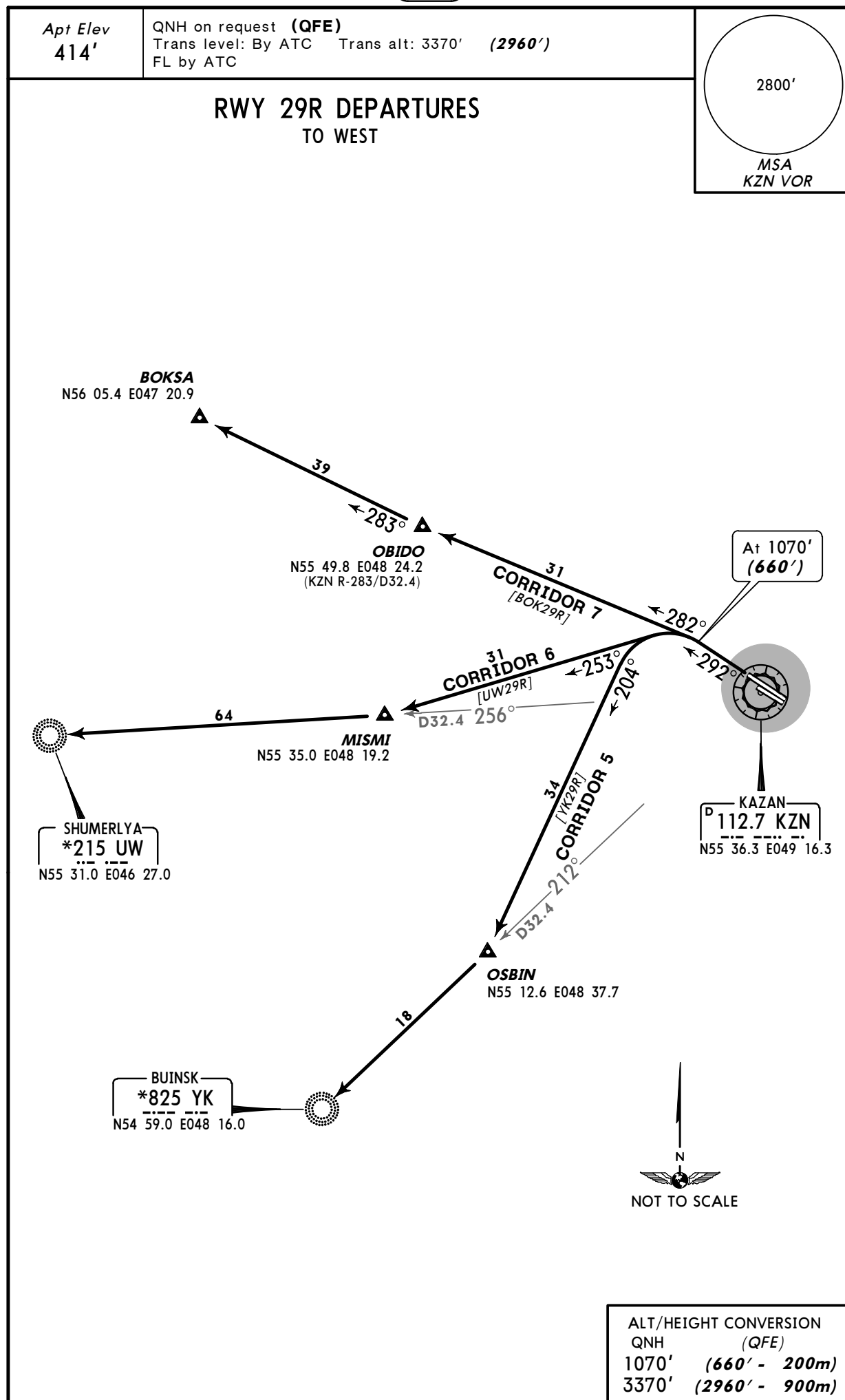
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SID



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KAZAN

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14 AUG 09 **10-3C** **Eff 27 Aug**

KAZAN, RUSSIA
SID



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KAZAN**JEPPESEN**
29 OCT 04 **10-4****KAZAN, RUSSIA**
NOISE**NOISE ABATEMENT****GENERAL**

Noise abatement procedures shall not be executed at the expense of reduction of flight safety.

DEPARTURES

Special take-off procedures for the purpose of noise abatement when passing above terrain arid conditioned and environmentally protected shall be executed by crews of all aircraft:

TAKE-OFF AND CLIMBING PHASE RUNWAYS 29L/R

Take-off to 1900' (1486'-450m)	Take-off power take-off flaps climb at $V_2 + 10-20$ KT at 1080' (666'-200m) turn with 25° bank
At 1900' (1486'-450m)	reduce engine power to rated power under keeping of positive rate of climb
From 1900' (1486'-450m) to 3370' (2956'-900m)	climb at $V_2 + 10-20$ KT
At 3370' (2956'-900m)	accelerate to speed of wing devices retraction retract wing devices further climb (reaching FL) shall be executed at a speed recommended by the Airplane Flight Manual.

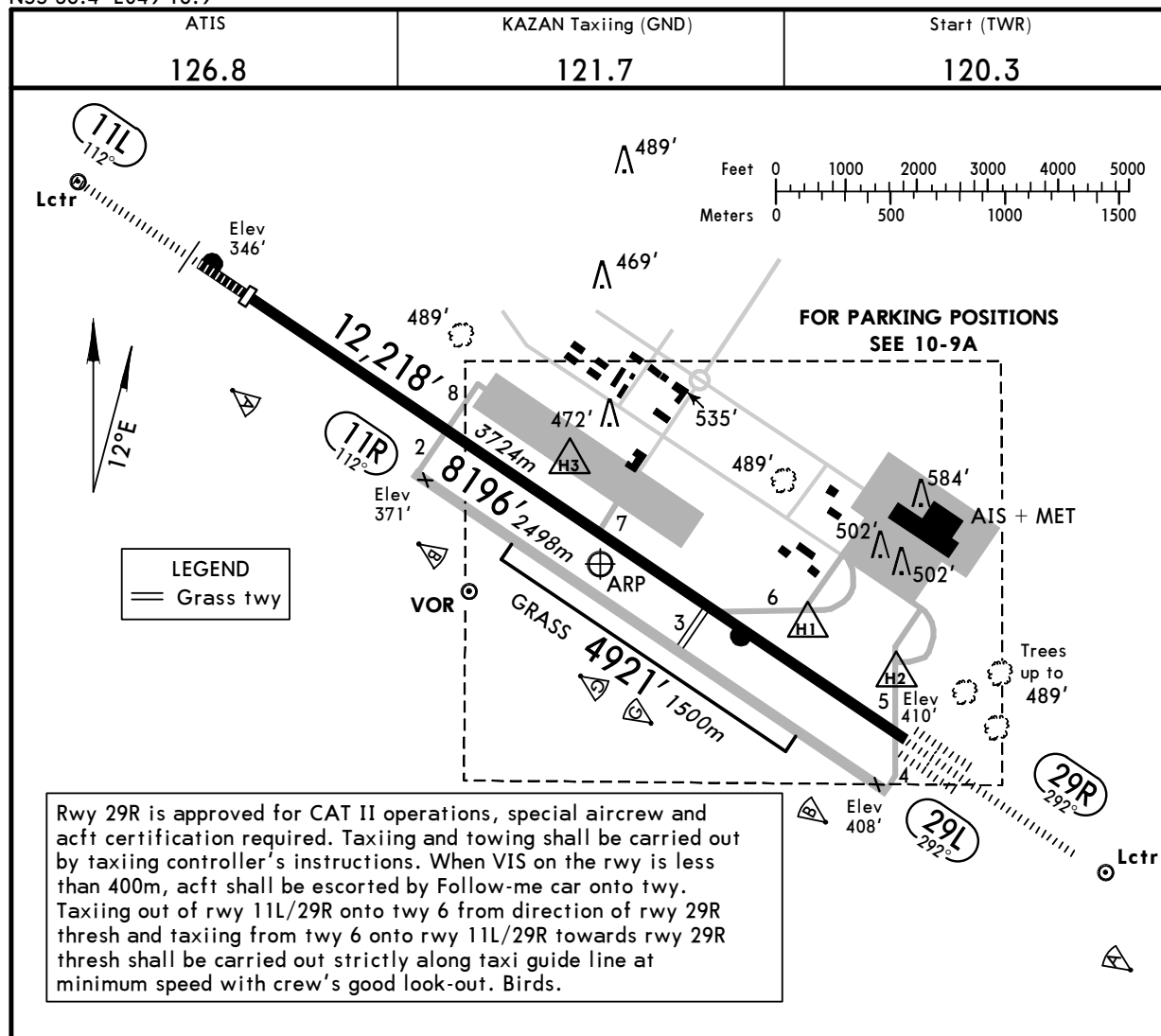
Noise abatement procedure during take-off shall not be carried out in cases of:

- wind shear
- moderate bumpiness
- icing
- one of the aircraft engines failure during take-off phase.

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 Apt Elev **414'**
 N55 36.4 E049 16.9

JEPPESSEN

 19 DEC 08 **(10-9)**
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ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond Glide Slope		
11L	HIRL(60m) CL(15m) HIALS PAPI-L(3.0°)	RVR	11,381' 3469m	10,599' 3231m	①	144' 44m
29R	HIRL(60m) CL(15m) HIALS-II TDZ PAPI-L(3.0°)	RVR		11,201' 3414m		
11R	Runway withdrawn from service for acft					148' 45m
29L						
11	Grass runway					262' 80m
29						

① TAKE-OFF RUN AVAILABLE
RWY 11L:

 First 837'/255m unusable
 for take-off.

From displ thresh 11,381'(3469m)

twy 8 int 8091'(2466m)

twy 7 int 5427'(1654m)

twy 6 int 3596'(1096m)

RWY 29R:

From rwy head 12,218'(3724m)

turning pad 9564'(2915m)

twy 6 int 8655'(2638m)

twy 7 int 6791'(2070m)

twy 8 int 4127'(1258m)

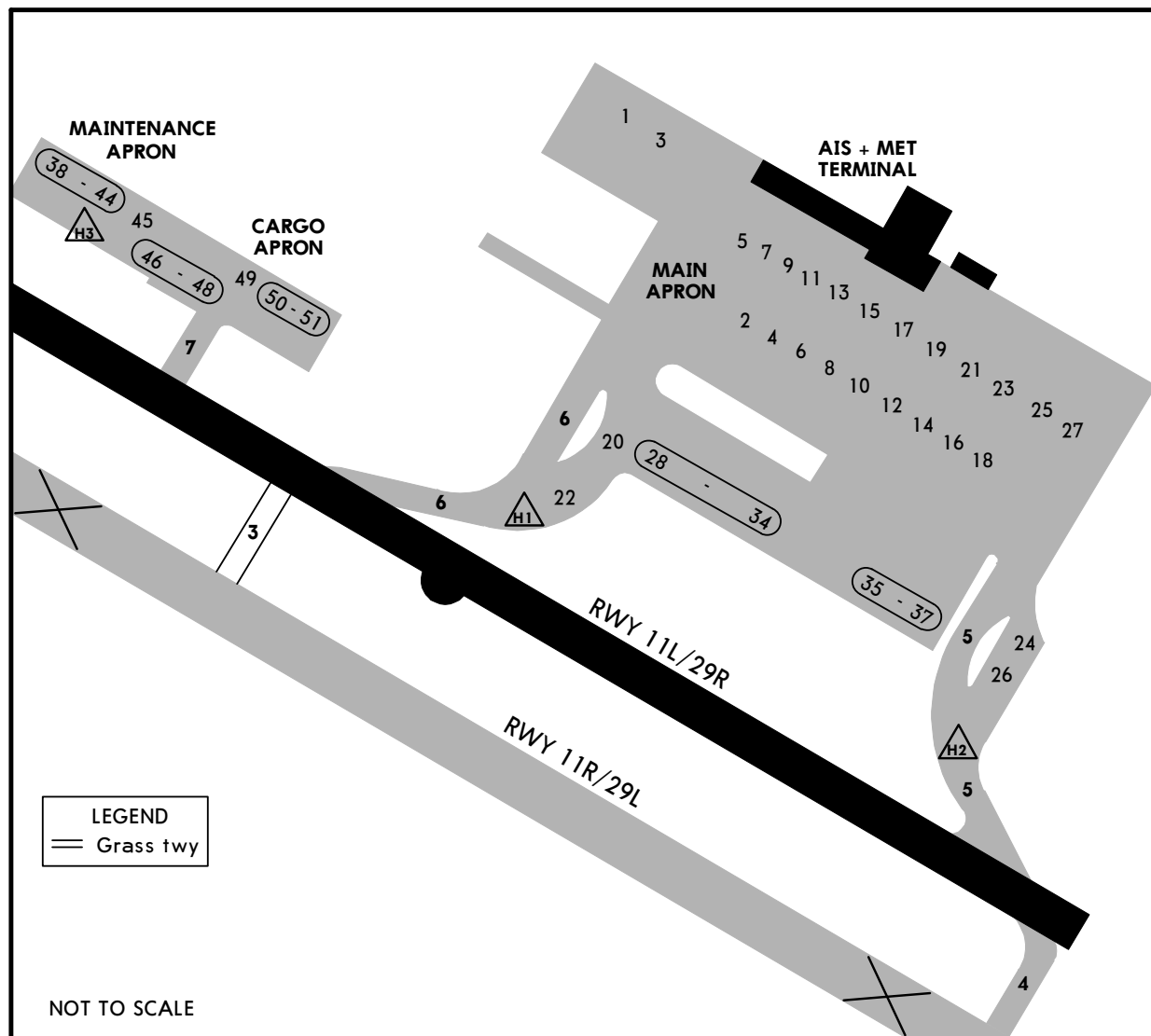
TAKE-OFF
AIR CARRIER (JAA)
Main rwy 11L/29R
LVP must be in force

	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A			
B	200m (150m)	250m	400m
C			
D	250m (200m)	300m	

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19 DEC 08 (10-9A)

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Taxiing on twys 5 and 6 with occupied stands 20, 22, 24 or 26 shall be carried out strictly along centerline at reduced speed with the crew's good look-out.
Stands 23, 25, 32 thru 37 available for helicopters.

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20 AUG 10 **10-9S**
Standard
KAZAN, RUSSIA
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STRAIGHT-IN RWY		A	B	C	D
11L	ILS	549'(200')	549'(200')	549'(200')	549'(200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ①	680'(331')	680'(331')	680'(331')	680'(331')
		R800m	R800m	R800m	R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	1 NDB ①	1010'(661')	1010'(661')	1170'(821')	1170'(821')
		C2400m	C2400m	C3100m	C3100m
	ALS out	C3100m	C3100m	C3800m	C3800m
29R	CAT 2 ILS	510'(100')	510'(100')	510'(100')	510'(100')
		RA113'R300m	RA113'R300m	RA113'R300m	RA113'R300m
	ILS	610'(200')	610'(200')	610'(200')	610'(200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ①	860'(450')	860'(450')	860'(450')	860'(450')
		R1400	R1400	R1400	R1400
	ALS out	C2100m	C2100m	C2100m	C2100m
	1 NDB ①	1070'(660')	1070'(660')	1240'(830')	1240'(830')
		C2300m	C2300m	C3100m	C3100m
	ALS out	C3000m	C3000m	C3800m	C3800m

① Continuous Descent Final Approach

TAKE-OFF RWY 11L, 29R

	Approved Operators HIRL, CL & mult. RVR req	LVP must be in Force				NIL (DAY only)
		RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	
A	125m	150m	200m	250m	400m	500m
B						
C						
D	150m	200m	250m	300m		

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24 NOV 06

10-9X**JAA MINIMUMS****KAZAN, RUSSIA****KAZAN**

STRAIGHT-IN RWY		A	B	C	D
11L	ILS	549' (200')	549' (200')	549' (200')	549' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
2 NDB		680' (331')	680' (331')	680' (331')	680' (331')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	1 NDB	1010' (661')	1010' (661')	1170' (821')	1170' (821')
		R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
29R	CAT II ILS	510' (100')	510' (100')	510' (100')	510' (100')
		RA 113' R300m	RA 113' R300m	RA 113' R300m	RA 113' R300m
	ILS	610' (200')	610' (200')	610' (200')	610' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	2 NDB	860' (450')	860' (450')	860' (450')	860' (450')
		R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	1 NDB	1070' (660')	1070' (660')	1240' (830')	1240' (830')
		R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m

TAKE-OFF RWY 11L

LVP must be in Force		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A		NIL (DAY only)
B	250m	400m
C		500m
D	300m	

TAKE-OFF RWY 29R

LVP must be in force					
Approved Operators HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A					
B	125m	150m	200m	250m	400m
C					500m
D	150m	200m	250m	300m	

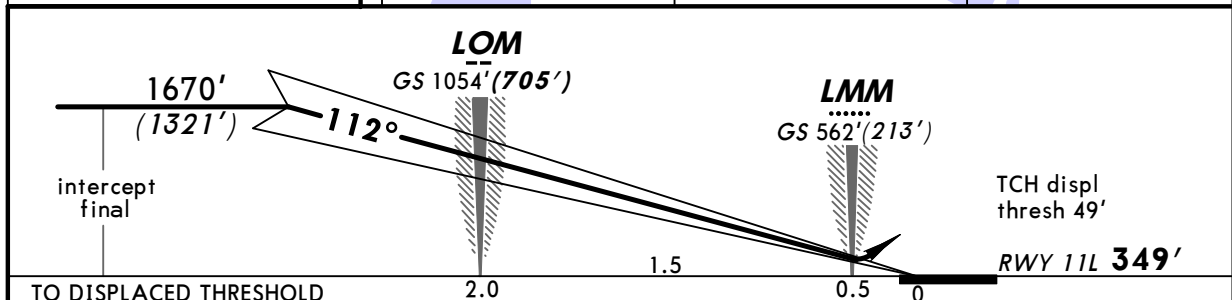
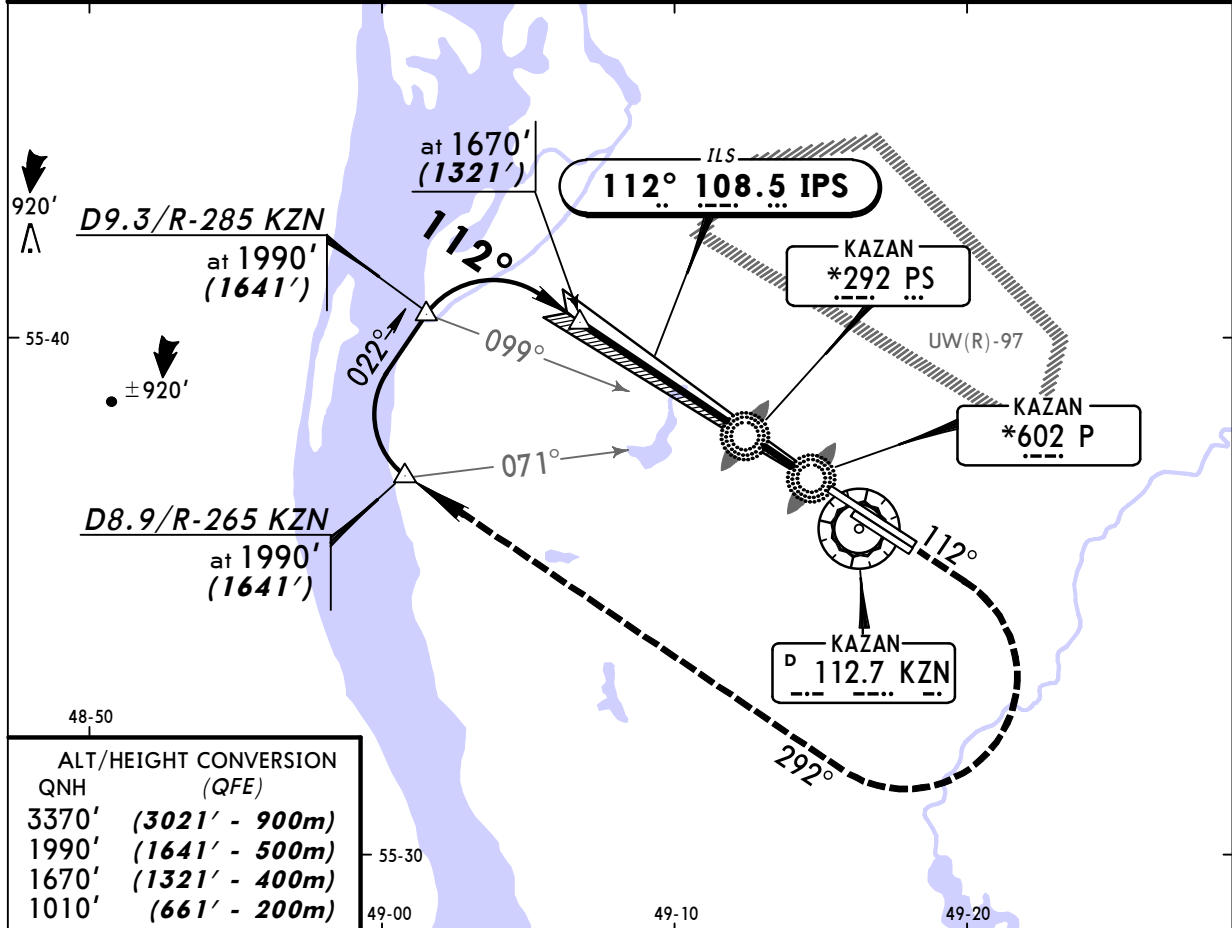
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24 NOV 06 **(11-1)**

KAZAN, RUSSIA
ILS Rwy 11L

BRIEFING STRIP

ATIS 126.8	KAZAN Radar (APP/R) 119.4	KAZAN Tower (PAR) 120.3	KAZAN Start (TWR) 120.3	Taxiing (GND) 121.7
LOC IPS 108.5	Final Apch Crs 112°	GS LOM 1054' (705')	ILS DA(H) 549' (200')	Apt Elev 414' RWY 349'
MISSED APCH: Climb on 112° to 1010' (661'), then turn RIGHT onto 292° climbing to 1990' (1641'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3370' (3021')				
				2800' MSA ARP



TO DISPLACED THRESHOLD							HIALS		1010'		292°		1990'		
Gnd speed-Kts	70	90	100	120	140	160	PAPI		1010' (661')	on	112°		RT	(1641')	
GS	3.00°	377	484	538	646	753									861

STRAIGHT-IN LANDING RWY 11L			
ILS	LOC (GS out)		
DA(H) 549' (200')			
FULL	ALS out		
A			
B			
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED
D			

PANS OPS

CHANGES: None.

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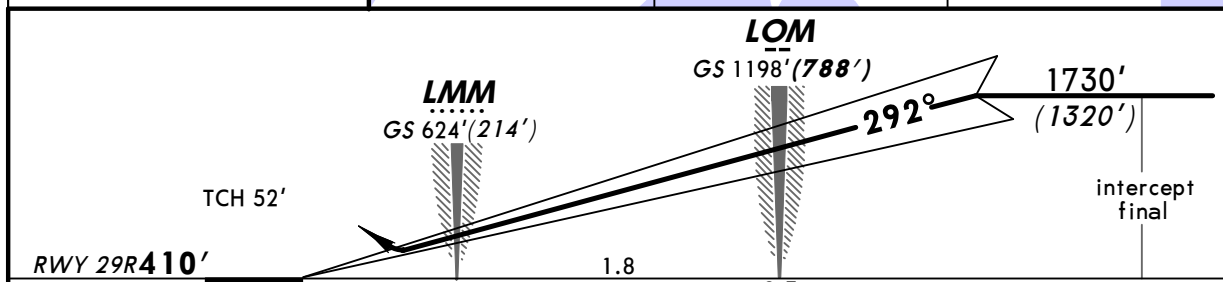
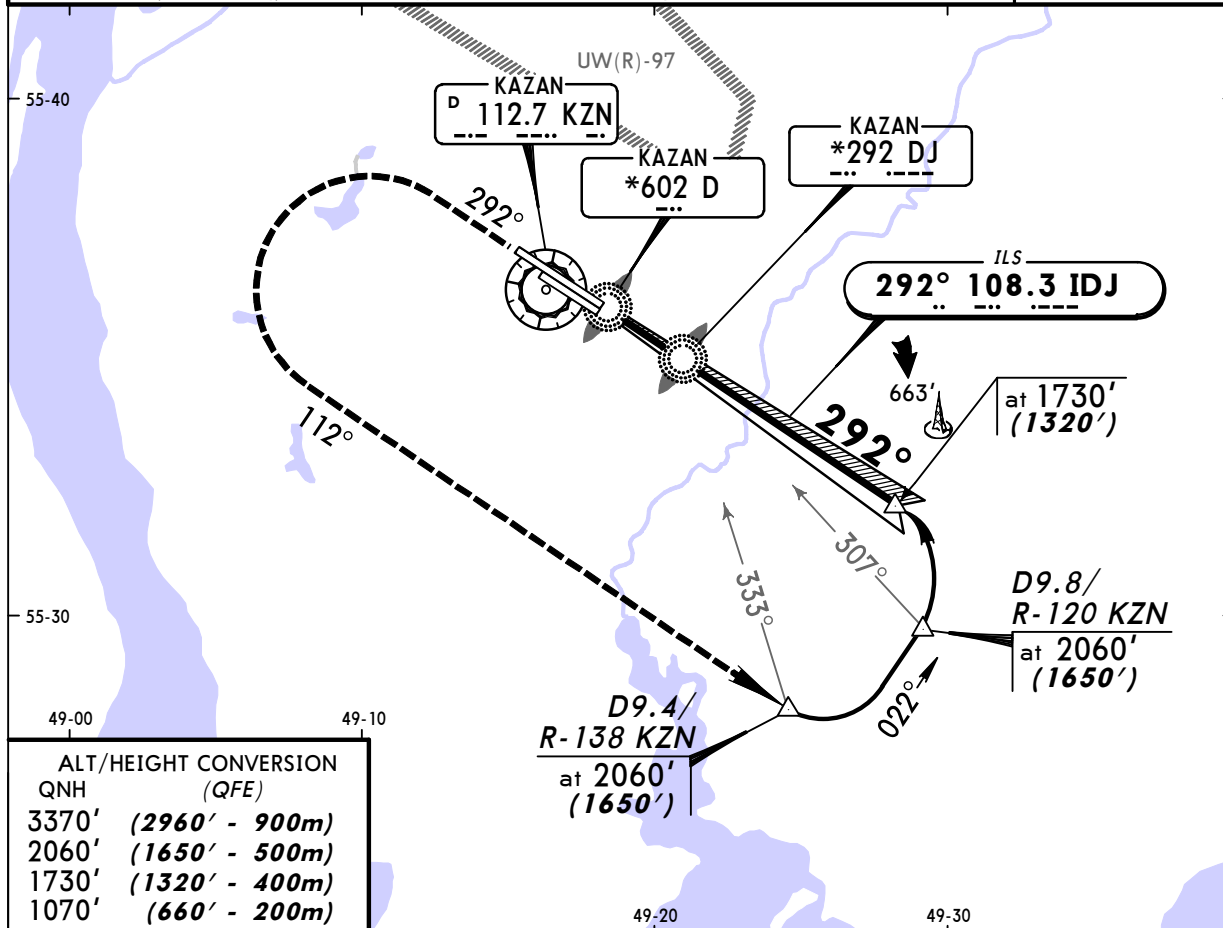
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KAZAN

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24 NOV 06 **(11-2)**

KAZAN, RUSSIA
ILS Rwy 29R

BRIEFING STRIP

ATIS	KAZAN Radar (APP/R)	KAZAN Tower (PAR)	KAZAN Start (TWR)	Taxiing (GND)
126.8	119.4	120.3	120.3	121.7
LOC IDJ 108.3	Final Apch Crs 292°	GS LOM 1198' (788')	ILS DA(H) 610' (200')	Apt Elev 414' RWY 410'
MISSED APCH: Climb on 292° to 1070' (660'), then turn LEFT onto 112° climbing to 2060' (1650'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3370' (2960')				
				MSA ARP



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1070' (660')	on 292°	112°	2060' (1650')
GS	3.00°	377	484	538	646	753	861	PAPI		LT	

STRAIGHT-IN LANDING RWY 29R																					
ILS					LOC (GS out)																
DA(H) 610'(200')																					
FULL					ALS out																
A	RVR 720m VIS 800m					1200m					NOT AUTHORIZED										
B																					
C																					
D																					

PANS OPS

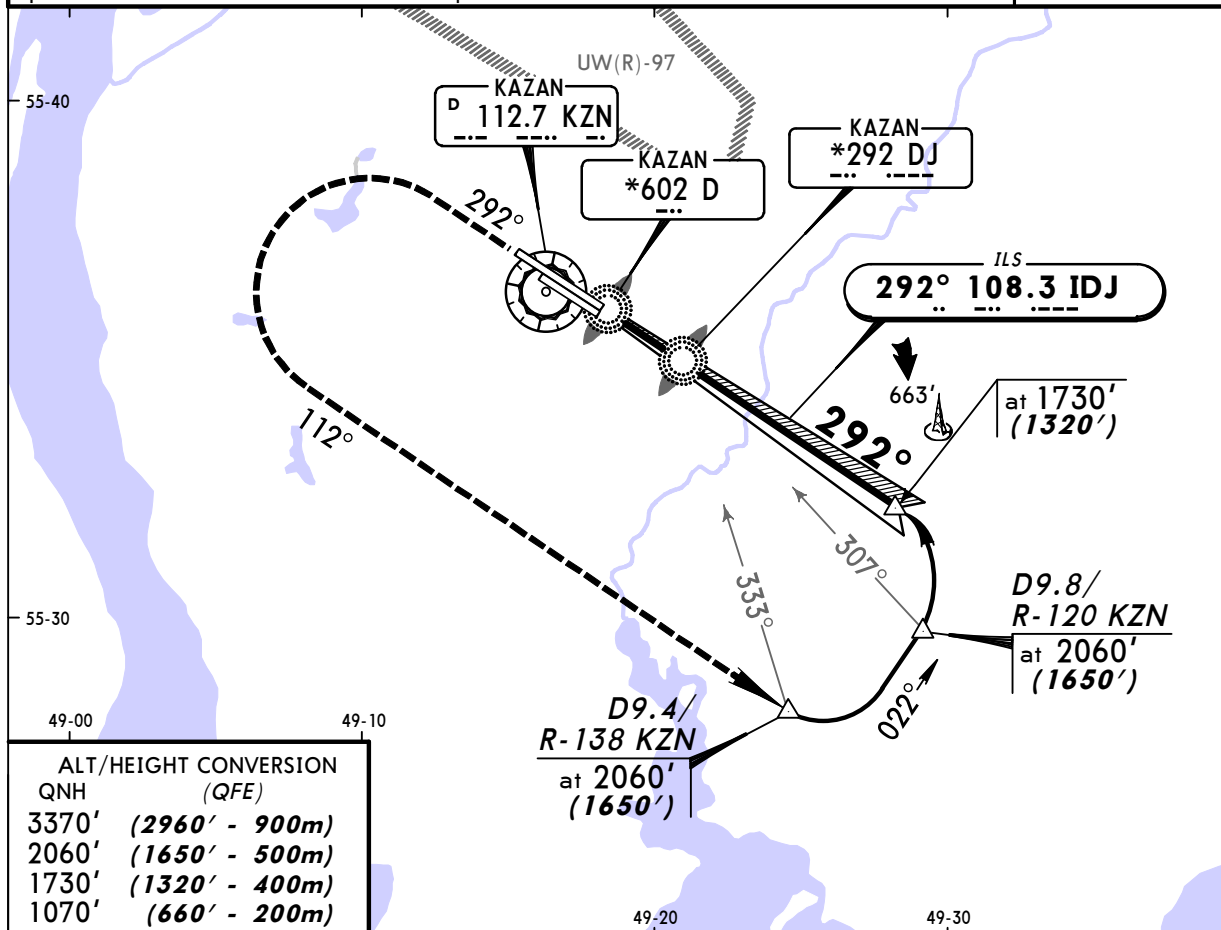
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24 NOV 06 **(11-2A)**

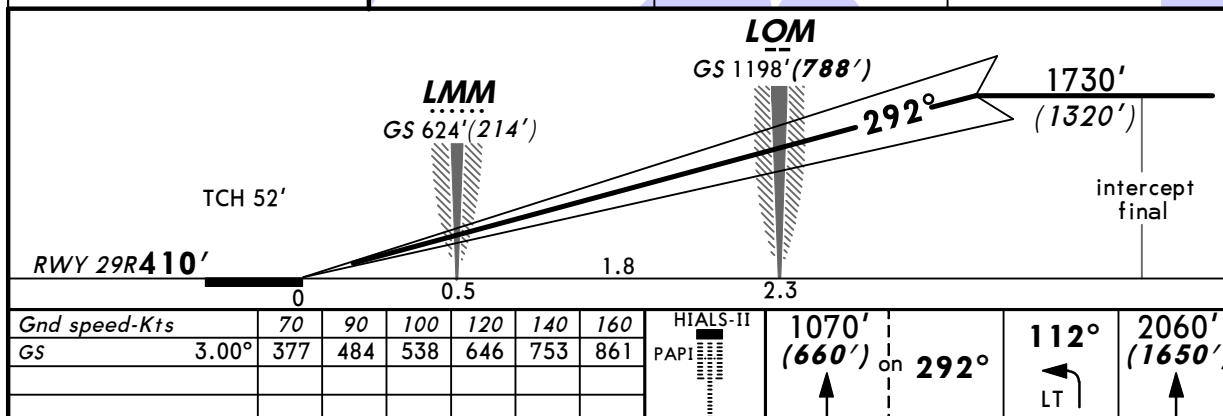
KAZAN, RUSSIA
CAT II ILS Rwy 29R

BRIEFING STRIP

ATIS	KAZAN Radar (APP/R)	KAZAN Tower (PAR)	KAZAN Start (TWR)	Taxiing (GND)
126.8	119.4	120.3	120.3	121.7
LOC IDJ 108.3	Final Apch Crs 292°	GS LOM 1198' (788')	CAT II ILS RA 113' DA(H) 510' (100')	Apt Elev 414' RWY 410'
MISSED APCH: Climb on 292° to 1070' (660'), then turn LEFT onto 112° climbing to 2060' (1650'), then according to chart.				2800'
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3370' (2960') Special Aircrew & Acft Certification Required.				MSA ARP



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3370'	(2960' - 900m)
2060'	(1650' - 500m)
1730'	(1320' - 400m)
1070'	(660' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1070' (660')	on 292°	112°	2060' (1650')
GS	3.00°	377	484	538	646	753	861	PAPI		LT	

STRAIGHT-IN LANDING RWY 29R
CAT II ILS
ABCD
RA 113'
DA(H) 510' (100')

RVR 350m

PANS OPS

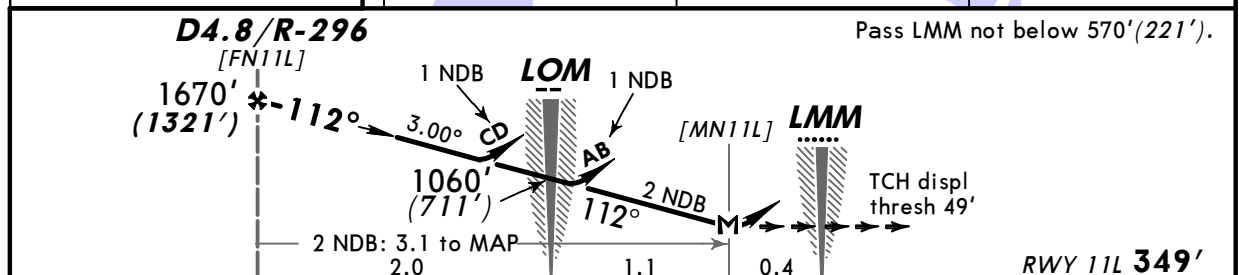
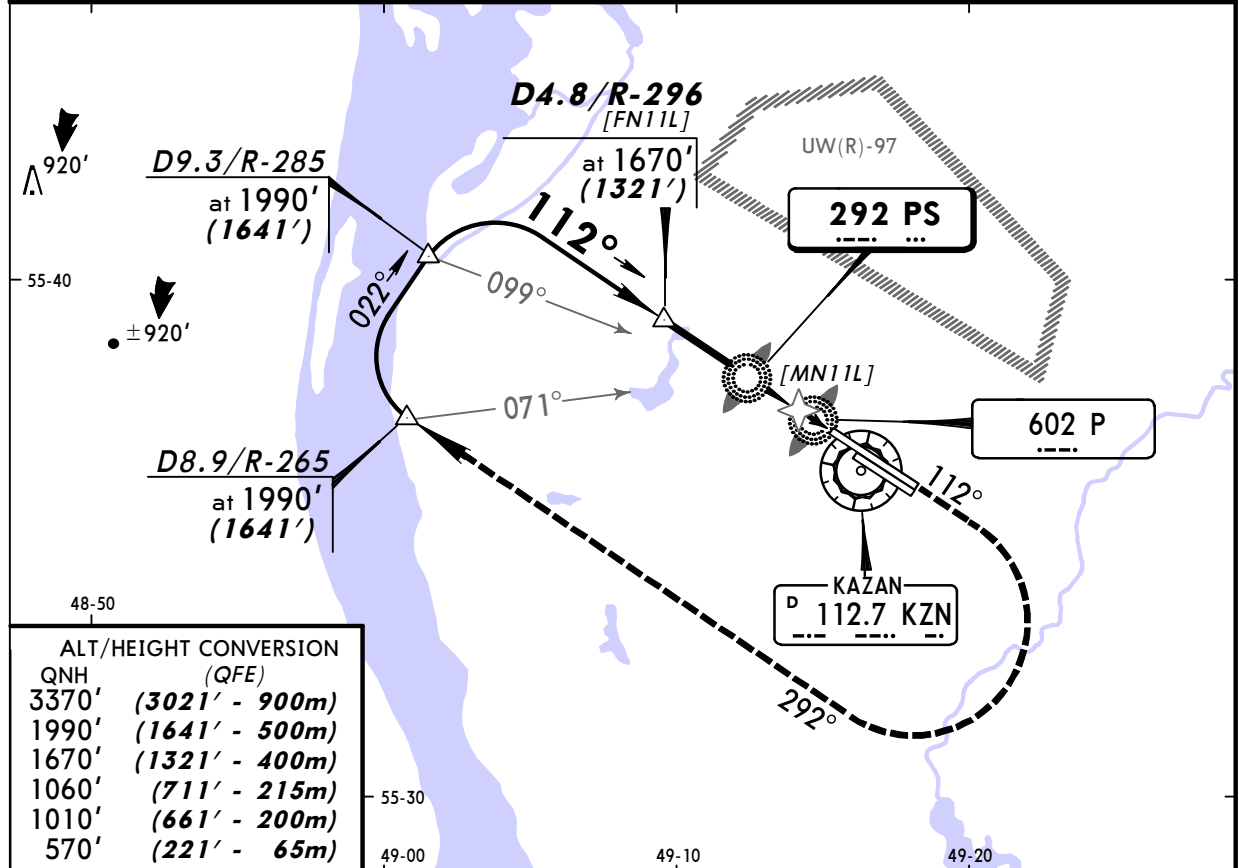
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14 AUG 09
Eff 27 Aug (16-1)

KAZAN, RUSSIA
2 NDB or 1 NDB Rwy 11L

BRIEFING STRIP

ATIS 126.8	KAZAN Radar (APP/R) 119.4	KAZAN Tower (PAR) 120.3	KAZAN Start (TWR) 120.3	Taxiing (GND) 121.7
NDB PS 292	Final Apch Crs 112°	Minimum Alt D4.8 1670'(1321')	2 NDB MDA(H) 680'(331') 1 NDB MDA(H) Refer to Minimums	Apt Elev 414' RWY 349'
MISSED APCH: Climb on 112° to 1010'(661'), then turn RIGHT onto 292° climbing to 1990'(1641'), then according to chart.				2800' MSA KZN VOR
Alt Set: MM (hPa on req)		QNH on req (QFE)		
Trans level: By ATC		Trans alt: 3370' (3021')		



TO DISPLACED THRESHOLD						
Gnd speed-Kts	70	90	100	120	140	160
Descent grad 5.24% or Descent angle 3.00°	372	478	531	637	743	849
2 NDB: D4.8 to MAP 3.1	2:39	2:04	1:52	1:33	1:20	1:10

STRAIGHT-IN LANDING RWY 11L			
2 NDB MDA(H) 680' (331')		1 NDB MDA(H) AB: 1010' (661') CD: 1170' (821')	
ALS out		ALS out	
A			
B			
C	1200m	RVR 1500m VIS 1600m	3200m
D			4000m

PANS OPS

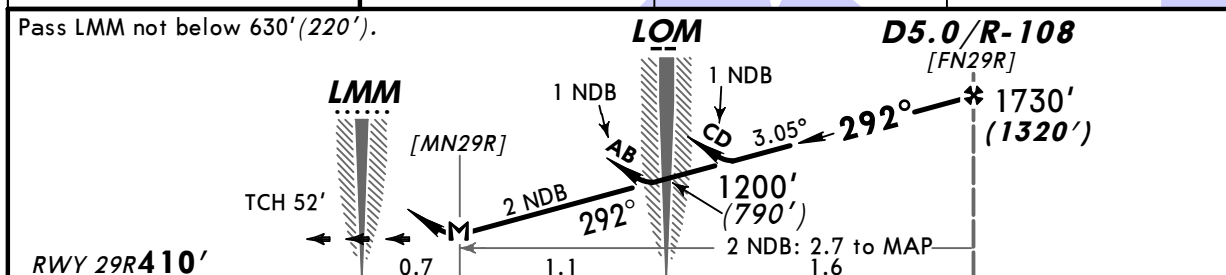
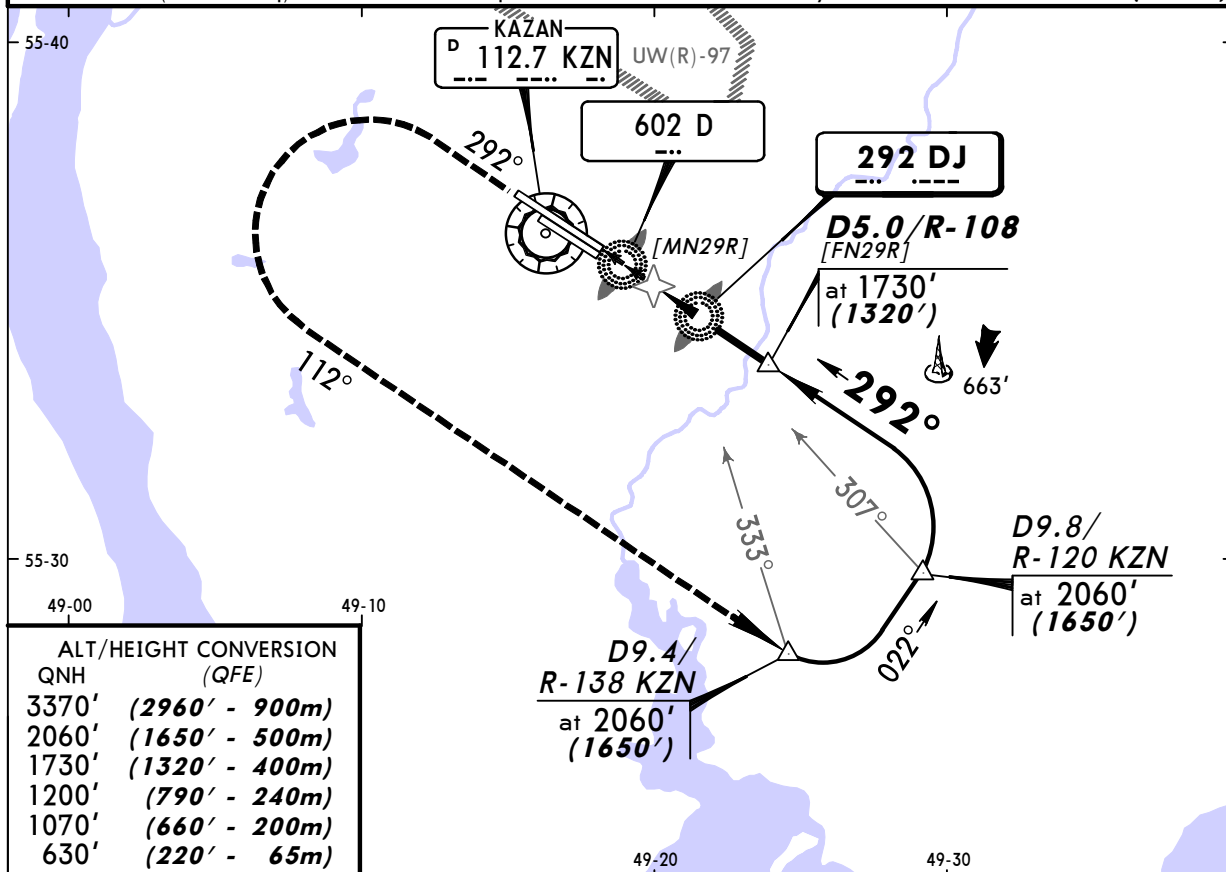
UWKD/KZN
KAZAN

JEPPESSEN
14 AUG 09
Eff 27 Aug

KAZAN, RUSSIA
2 NDB or 1 NDB Rwy 29R

BRIEFING STRIP

ATIS 126.8	KAZAN Radar (APP/R) 119.4	KAZAN Tower (PAR) 120.3	KAZAN Start (TWR) 120.3	Taxiing (GND) 121.7
NDB DJ 292	Final Apch Crs 292°	Minimum Alt D5.0 1730' (1320')	2 NDB MDA(H) 860' (450') 1 NDB MDA(H) Refer to Minimums	Apt Elev 414' RWY 410'
MISSED APCH: Climb on 292° to 1070' (660'), then turn LEFT onto 112° climbing to 2060' (1650'), then according to chart.				2800' MSA KZN VOR
Alt Set: MM (hPa on req)		QNH on req (QFE)		
Trans alt: 3370' (2960')				



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1070' (660')	on 292°	112°	2060' (1650')
Descent grad 5.33% or	378	486	540	648	755	863	PAPI				
Descent angle 3.05°											
2 NDB: D5.0 to MAP 2.7	2:19	1:48	1:37	1:21	1:09	1:01					

STRAIGHT-IN LANDING RWY 29R			
2 NDB	MDA(H)	1 NDB	MDA(H)
MDA(H) 860' (450')		AB: 1070' (660') CD: 1240' (830')	
ALS out		ALS out	
A			
B	1600m	3200m	3200m
C	2400m		4000m
D	2000m	4000m	4400m

PANS OPS